## PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EX04-072C-PC	FOR FURTHER ACTION	see Notifica (Form PCT below.	ation of Transmittal of International Search Report (ISA/220) as well as, where applicable, item 5			
International application No. PCT/US04/39549	International filing date (day/month/year) (Earliest) Priority Date (day		(Earliest) Priority Date (day/month/year) 24 November 2003 (24.11.2003)			
Applicant EXELIXIS, INC.						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.  This international search report consists of a total of 4 sheets.  It is also accompanied by a copy of each prior art document cited in this report.						
Basis of the Report     a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.						
Authority (Rule 23.1(b) b. With regard to any nucleo	the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:					
	contained in the international application in written form.					
	filed together with the international application in computer readable form.					
	furnished subsequently to this Authority in written form.					
	furnished subsequently to this Authority in computer readable form.					
international applicatio	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.					
been furnished.						
2. Certain claims were f	Certain claims were found unsearchable (See Box I).					
3. Unity of invention is l	acking (See Box II).					
1	With regard to the title,					
1 = 3	the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows:					
5. With regard to the abstract,						
	submitted by the applicant.					
the text has been estab within one month from	lished, according to Rule 38.2(b), by th the date of mailing of this internationa	is Authority I search rep	y as it appears in Box III. The applicant may, port, submit comments to this Authority.			
6. The figure of the drawings to be as suggested by the app	e published with the abstract is Figure	No	None of the figures			
	ailed to suggest a figure.					
	ter characterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39549

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely.				
Claim Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.  2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-19  Remark on Protest				

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39549

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : C12N 33/53  US CL : 435/7.1						
According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/7.1						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPGPUB, USPAT, EPO, DERWENT, MEDLINE, CAPLUS, SCISEARCH						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a	Relevant to claim No.				
x	US 2003/0108937 A (WILLIAMSON et al) 31 Octob	1-4 and 6-19				
х	0009,0011,0016,0052,0057-0080,0096,0303,0304,00 US 2002/ 0015943 A1 (BEINZ et al) 27 July 2001 f 0015,0039,0104,0048,0067,0013,0072,0041,0005, 0072,0002-0005,0055	1-4.7.8.11.16-19				
Y	HUDZIAK, R. et al Resistance of Morpholino Phos Enzymatic Degradation. Antisense Nucleic Acid Dr 267-272, see entire document.	1,8,10				
Y	ANGELES et al. Enzyme-linked Immunosorben A. Analytical Biochemistry. 1996, Vol. 236, pages 49-	, 1-5				
	The state of the s	See extent femily annex				
	documents are listed in the continuation of Box C.	See patent family annex.  T" later document published after the	international filing date or priority date			
	pecial categories of cited documents:  defining the general state of the art which is not considered to be of relevance	and not in conflict with the applica principle or theory underlying the	ation but cited to understand the			
"E" carlier app	olication or patent published on or after the international filing date	"X" document of particular relevance; considered novel or cannot be con when the document is taken alone	ar relevance; the claimed invention cannot be annot be considered to involve an inventive step s taken alone			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)			the claimed invention cannot be e step when the document is combined ments, such combination being obvious			
"O" document	referring to an oral disclosure, use, exhibition or other means	to a person skilled in the art				
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same pa	tent family			
Date of the actual completion of the international search 21 November 2005 (21.11.2005)		Date of mailing of the international	search report 3 2006			
	ailing address of the ISA/US	Authorized officer	1			
Mail	Stop PCT, Attn: ISA/US	Moratile Jaw	rence you			
	missioner of Patents Box 1450	Tunnelly Supra	Too			
Alexandria, Virginia 22313-1450 Telephone No. (571) 272-1600 Facsimile No. (571) 273-3201						
	(210 (second sheet) (July 1998)					

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INTERNATIONAL SEARCH REPORT					
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BOX II. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING					
The inventions listed as Groups I- III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule					
13.2, they lack the same or corresponding special technical features for the following reasons:					
1-19, drawn to a method of identifying a candidate beta catening modulating agent.					
20-22, drawn to a method of modulating pathway activity					
23-25, drawn to a method for diagnosing a disease					
	•				
The first claimed invention (claims 1-19) is drawn to a method of identifying a can	didate beta catenin modulating agent. The first				
invention fails to share a technical feature with the other claimed inventions: claim	s 20-22, drawn to a method of modulating beta catenin				
pathway with an agent that binds PLK, and claims 23-25, drawn to a method for di	agnosing a disease using a probe for PLK expression.				
Methods II and III do not share method steps with Invention I, and PLK polypeptide	es or nucleic acids are not required as for Invention I.				
Therefore, unity of invention is lacking.					
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Form PCT/ISA/210 (second sheet) (July 1998)